

ABSTRACT OF THE DISCLOSURE

X-RADIATION IMAGERY DEVICE AND PROCESS FOR MAKING THIS
DEVICE

5 This invention relates to an X-radiation imagery
device comprising at least one detection matrix made of
a semiconducting material comprising pixels (11) to
convert incident X-photons into electric charges and a
10 silicon-based electric charges reading panel comprising
several electronic devices, each electronic device
being integrated by pixel (11), in which each detecting
matrix is made of a layer of semiconducting material
deposited in vapour phase on the electric charges
15 reading panel.

This invention also relates to a process for
making such an imagery device.

Figure 1